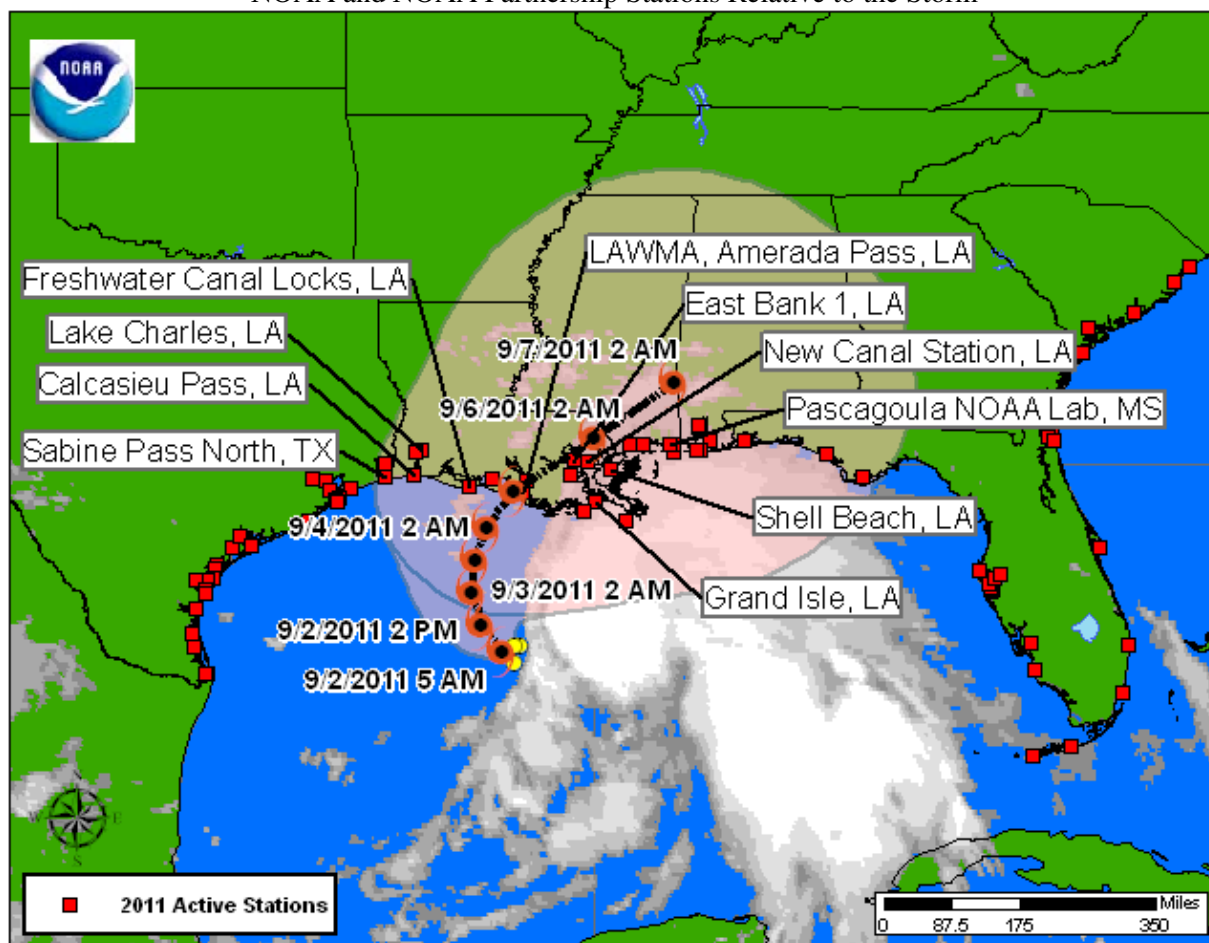




Tropical Depression THIRTEEN QuickLook  
Posted: 05:30 CDT 09/02/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/02/2011 05:30 CDT, water levels along the U.S. coast of Gulf of Mexico from Mississippi to eastern Texas are rising and range from 0.5 to 1.8 feet above predicted. Winds are increasing. Wind gusts up to 30 knots have been observed at Shell beach, LA, Calcasieu Pass, LA, and Sabine Pass, TX. Barometric pressure is beginning to trend lower across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.5 ft (0.47 m) at 09/03/2011 01:18 CDT and 1.6 ft (0.51 m) at 09/04/2011 02:30 CDT.

Shell Beach, LA: Next predicted high tides are 1.4 ft (0.41 m) at 09/02/2011 05:36 CDT and 1.5 ft (0.46 m) at 09/03/2011 06:12 CDT.

Tropical Depression THIRTEEN QuickLook, POSTED 05:30 CDT 09/02/2011

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.13 m) at 09/02/2011 10:32 CDT and 0.5 ft (0.14 m) at 09/03/2011 11:04 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.12 m) at 09/02/2011 11:37 CDT and 0.4 ft (0.13 m) at 09/03/2011 12:47 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.0 ft (0.31 m) at 09/02/2011 06:30 CDT and 1.2 ft (0.38 m) at 09/02/2011 21:39 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.44 m) at 09/03/2011 02:04 CDT and 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.0 ft (0.60 m) at 09/02/2011 20:46 CDT and 1.8 ft (0.55 m) at 09/03/2011 03:49 CDT.

Lake Charles, LA: Next predicted high tides are 1.1 ft (0.33 m) at 09/02/2011 10:31 CDT and 1.1 ft (0.34 m) at 09/03/2011 01:35 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.0 ft (0.62 m) at 09/02/2011 20:53 CDT and 2.0 ft (0.61 m) at 09/03/2011 05:43 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.7 ft (0.52 m) at 09/02/2011 06:11 CDT and 1.8 ft (0.55 m) at 09/02/2011 21:21 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website.

For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: LH

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION THIRTEEN ADVISORY NUMBER 3  
400 AM CDT FRI SEP 02 2011

...CENTER OF THE DEPRESSION MEANDERING SOUTH OF THE LOUISIANA  
COAST...

SUMMARY OF 400 AM CDT...0900 UTC...INFORMATION

-----  
LOCATION...26.5N 91.7W  
ABOUT 240 MI...385 KM SW OF THE MOUTH OF THE MISSISSIPPI RIVER  
ABOUT 270 MI...435 KM SSE OF PORT ARTHUR TEXAS  
MAXIMUM SUSTAINED WINDS...35 MPH...55 KM/H

PRESENT MOVEMENT...NW OR 315 DEGREES AT 2 MPH...4 KM/H  
MINIMUM CENTRAL PRESSURE...1006 MB...29.71 INCHES

#### WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* PASCAGOULA MISSISSIPPI WESTWARD TO SABINE PASS TEXAS...INCLUDING  
THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE  
EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN  
24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED  
STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE  
MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE  
FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

-----  
AT 400 AM CDT...0900 UTC...THE CENTER OF TROPICAL DEPRESSION  
THIRTEEN WAS LOCATED NEAR LATITUDE 26.5 NORTH...LONGITUDE 91.7 WEST.  
THE DEPRESSION IS MOVING TOWARD THE NORTHWEST NEAR 2 MPH...4 KM/H.  
A SLOW AND POSSIBLY ERRATIC NORTHWESTWARD MOTION IS EXPECTED  
TODAY...FOLLOWED BY A TURN TOWARD THE NORTH TONIGHT OR SATURDAY.  
ON THE FORECAST TRACK...THE CENTER OF THE CYCLONE IS EXPECTED TO  
APPROACH THE COAST OF SOUTHERN LOUISIANA DURING THE WEEKEND.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH...55 KM/H...WITH HIGHER  
GUSTS. GRADUAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS  
AND THE DEPRESSION COULD BECOME A TROPICAL STORM LATER TODAY. WINDS  
OF TROPICAL-STORM FORCE ARE BEING REPORTED ON OIL RIGS NORTH AND  
NORTHEAST OF THE CENTER AT ELEVATIONS OF SEVERAL HUNDRED FEET.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB...29.71 INCHES.

#### HAZARDS AFFECTING LAND

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RAINFALL...THE DEPRESSION IS EXPECTED TO PRODUCE TOTAL RAIN  
ACCUMULATIONS OF 10 TO 15 INCHES OVER SOUTHERN LOUISIANA...SOUTHERN  
MISSISSIPPI...AND SOUTHERN ALABAMA THROUGH SUNDAY...WITH POSSIBLE  
ISOLATED MAXIMUM AMOUNTS OF 20 INCHES.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 2 TO 4 FEET ABOVE GROUND LEVEL ALONG THE NORTHERN GULF COAST IN AREAS OF ONSHORE FLOW.

NEXT ADVISORY

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NEXT INTERMEDIATE ADVISORY...700 AM CDT.

NEXT COMPLETE ADVISORY...1000 AM CDT.

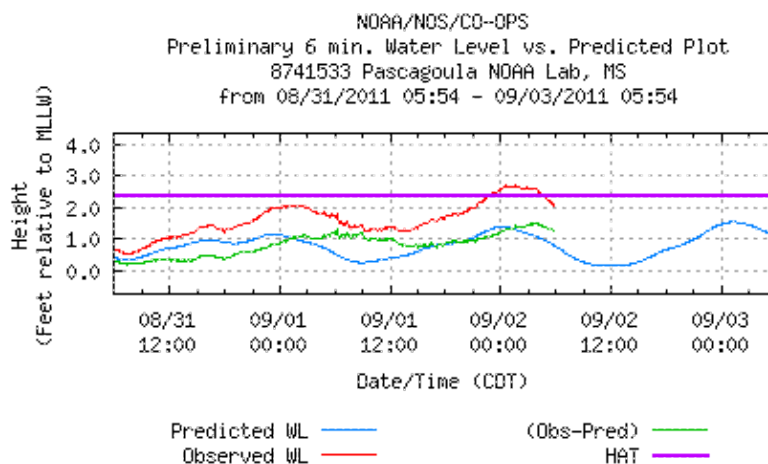
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FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pascagoula NOAA Lab - Water Level](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Air/Water Temp](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [New Canal Station - Air/Water Temp](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [East Bank 1, Norco, B. LaBranche - Air/Water Temp](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Freshwater Canal Locks - Air/Water Temp](#), [Lake Charles - Water Level](#), [Lake Charles - Barometric](#), [Lake Charles - Air/Water Temp](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Calcasieu Pass - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#),

Pascagoula NOAA Lab, MS - Return to List

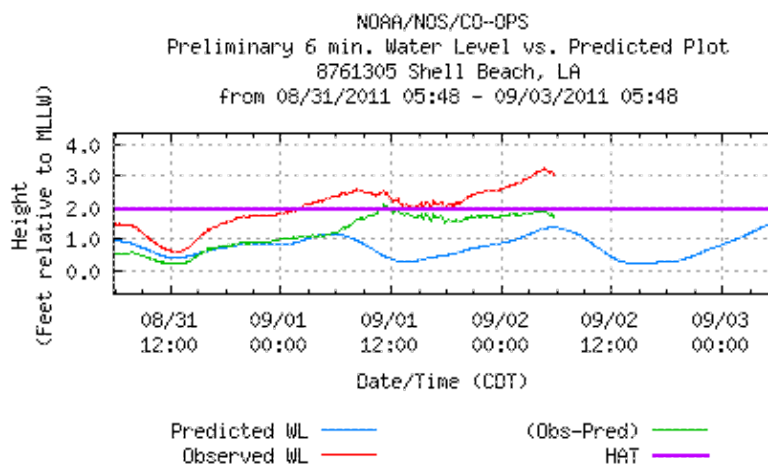


Last Observed Sample: 09/02/2011 05:48 (CDT)

Relative to MLLW: **Observed: 2.07 ft.** **Predicted: 0.80 ft.** **Residual: 1.27 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Shell Beach, LA - Return to List

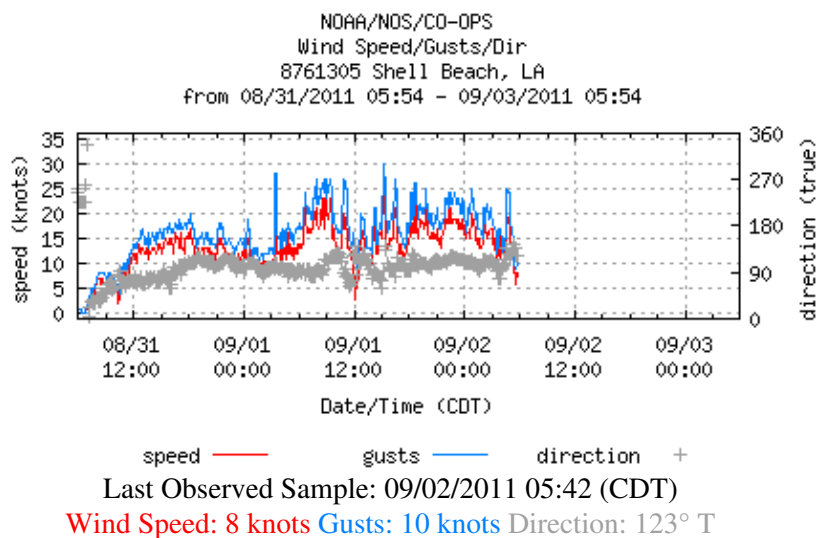


Last Observed Sample: 09/02/2011 05:42 (CDT)

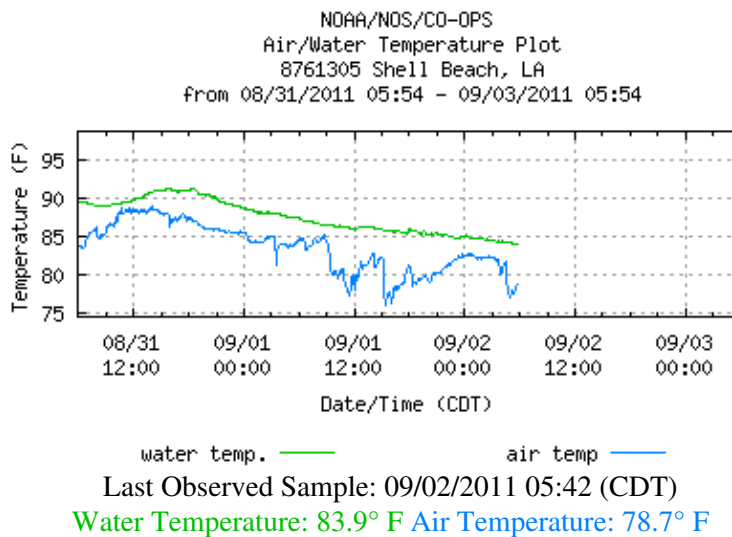
Relative to MLLW: **Observed: 3.05 ft.** **Predicted: 1.35 ft.** **Residual: 1.70 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

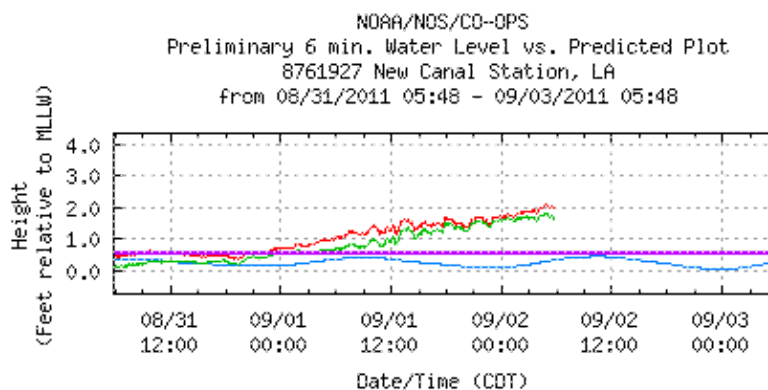
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



New Canal Station, LA - Return to List

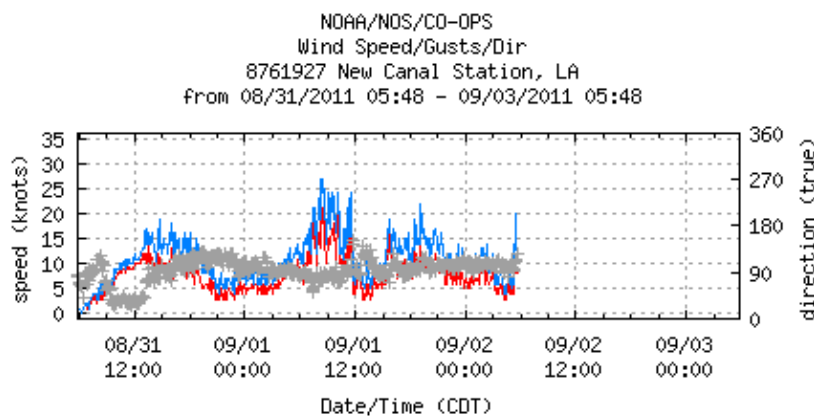


Last Observed Sample: 09/02/2011 05:42 (CDT)

Relative to MLLW: **Observed: 1.94 ft.** **Predicted: 0.33 ft.** **Residual: 1.61 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

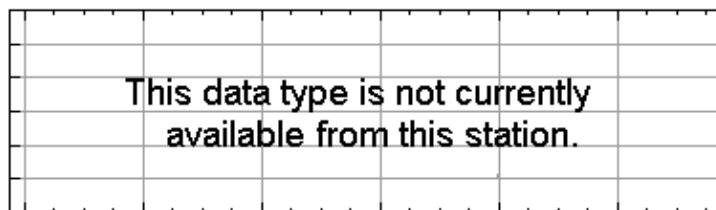


Last Observed Sample: 09/02/2011 05:42 (CDT)

**Wind Speed: 5 knots** **Gusts: 10 knots** **Direction: 132° T**

New Canal Station, LA - Return to List

NOAA/NOS/CO-OPS



Last Observed Sample: 09/02/2011 05:42 (CDT)

[Barometric Pressure: 1012.0 mb](#)

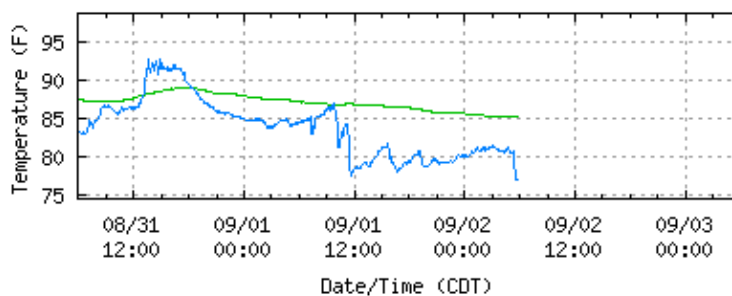
New Canal Station, LA - Return to List

NOAA/NOS/CO-OPS

Air/Water Temperature Plot

8761927 New Canal Station, LA

from 08/31/2011 05:54 - 09/03/2011 05:54

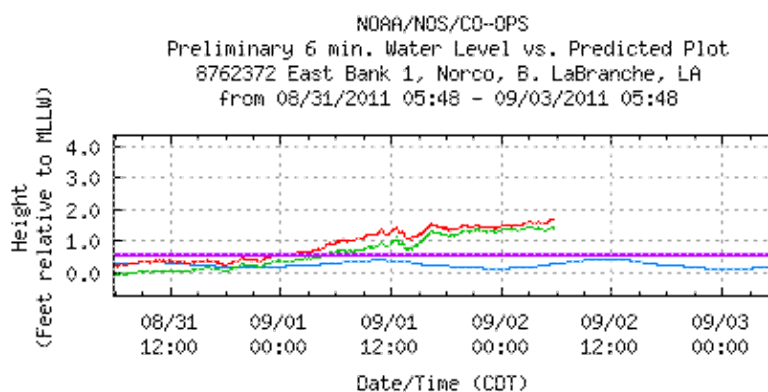


water temp. — air temp —

Last Observed Sample: 09/02/2011 05:42 (CDT)

[Water Temperature: 85.1° F](#) [Air Temperature: 76.8° F](#)

East Bank 1, Norco, B. LaBranche, LA - Return to List



Predicted WL (blue line) (Obs-Pred) (green line)  
Observed WL (red line) HAT (purple line)

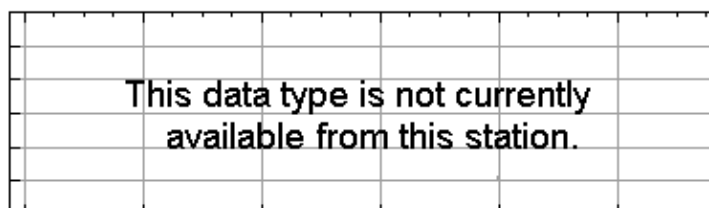
Last Observed Sample: 09/02/2011 05:42 (CDT)

Relative to MLLW: **Observed: 1.67 ft.** **Predicted: 0.27 ft.** **Residual: 1.40 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List

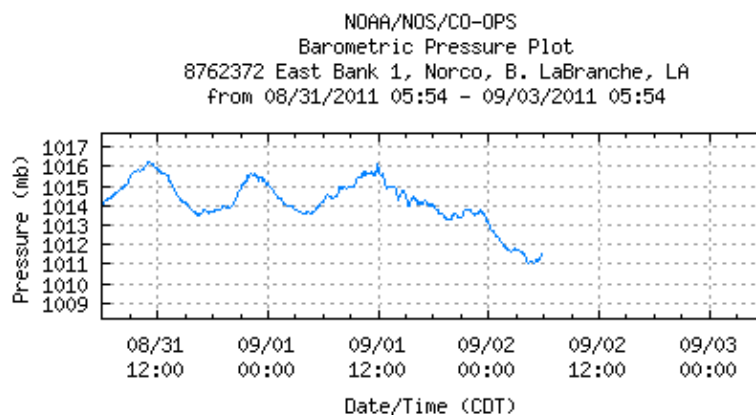
NOAA/NOS/CO-OPS



Last Observed Sample: 09/02/2011 05:42 (CDT)

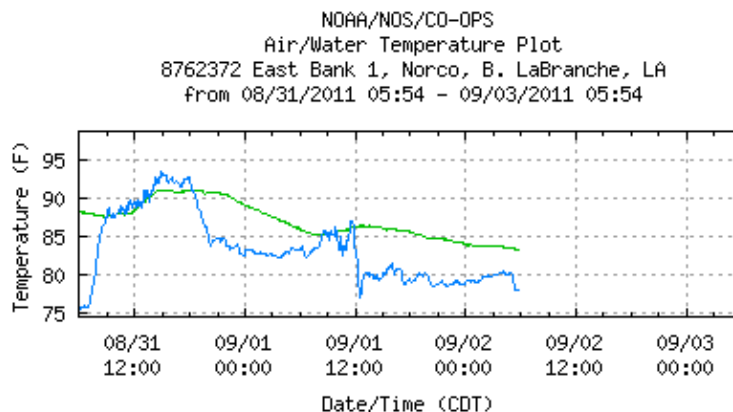
**Wind Speed: 8 knots** **Gusts: 10 knots** Direction: 98° T

East Bank 1, Norco, B. LaBranche, LA - Return to List



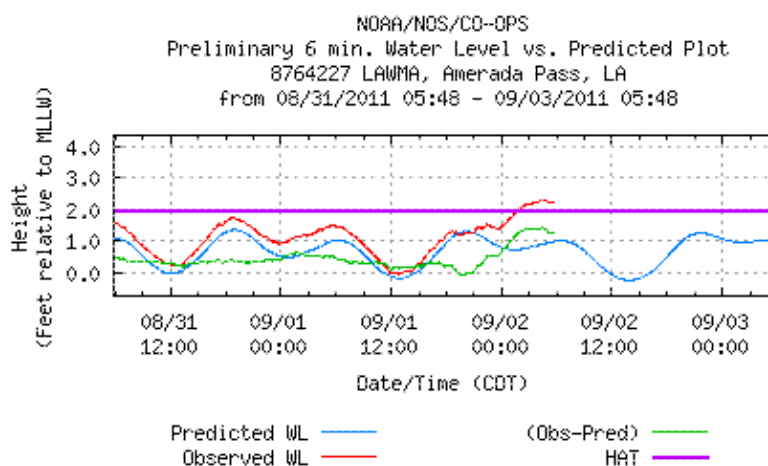
Last Observed Sample: 09/02/2011 05:42 (CDT)  
Barometric Pressure: 1011.5 mb

East Bank 1, Norco, B. LaBranche, LA - Return to List



Last Observed Sample: 09/02/2011 05:42 (CDT)  
Water Temperature: 83.3° F Air Temperature: 77.8° F

LAWMA, Amerada Pass, LA - Return to List

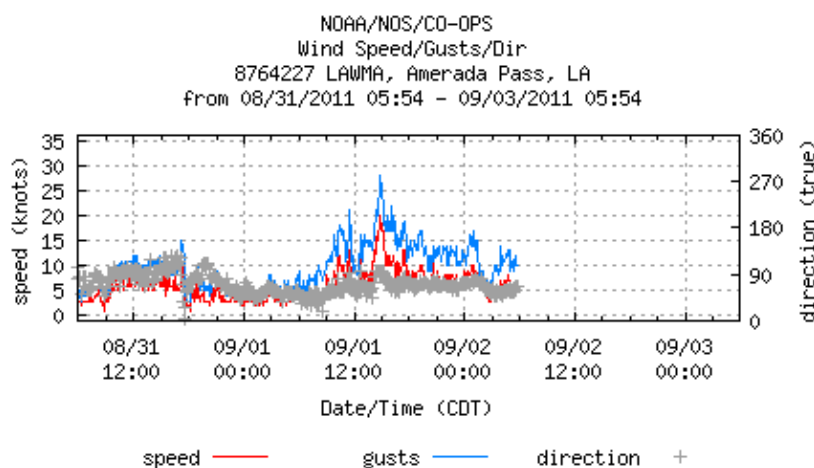


Last Observed Sample: 09/02/2011 05:42 (CDT)

Relative to MLLW: **Observed: 2.26 ft.** **Predicted: 0.98 ft.** **Residual: 1.28 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

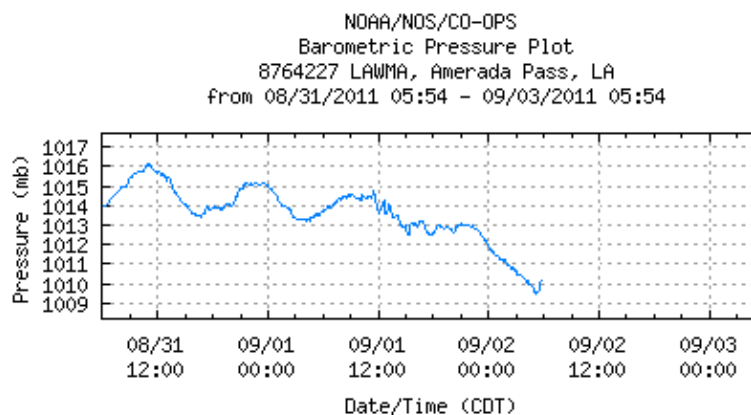
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 05:42 (CDT)

**Wind Speed: 5 knots** **Gusts: 10 knots** **Direction: 68° T**

LAWMA, Amerada Pass, LA - Return to List

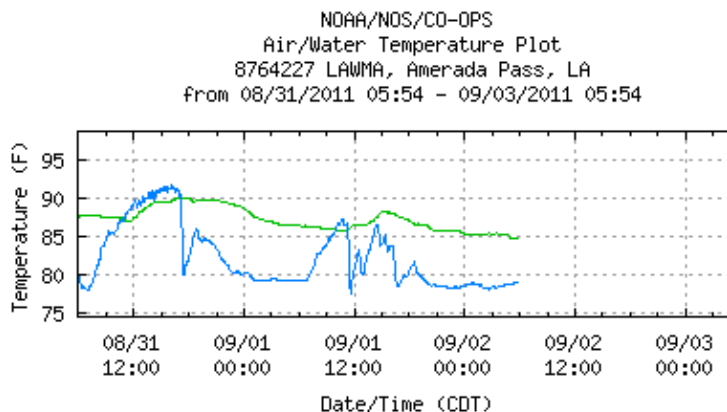


barometric pressure —

Last Observed Sample: 09/02/2011 05:42 (CDT)

Barometric Pressure: 1010.2 mb

LAWMA, Amerada Pass, LA - Return to List

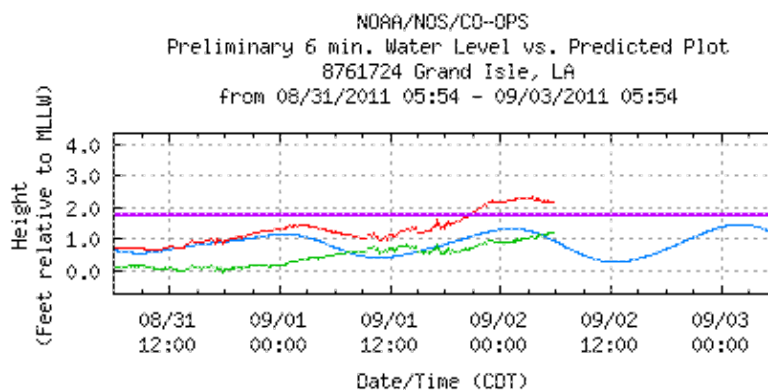


water temp. — air temp —

Last Observed Sample: 09/02/2011 05:42 (CDT)

Water Temperature: 84.6° F Air Temperature: 79.0° F

Grand Isle, LA - Return to List



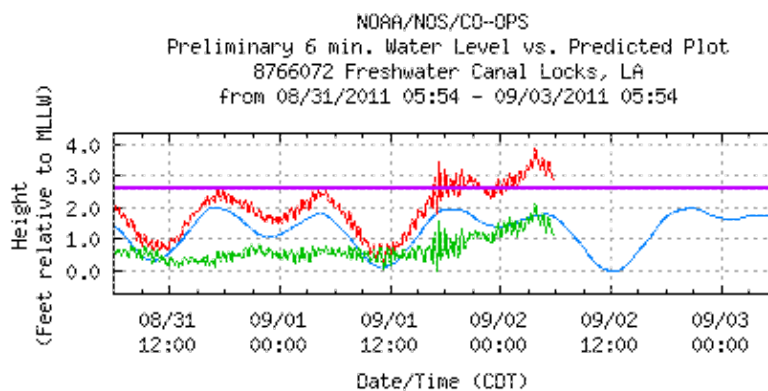
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/02/2011 05:42 (CDT)

Relative to MLLW: **Observed: 2.15 ft.** **Predicted: 0.95 ft.** **Residual: 1.20 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Freshwater Canal Locks, LA - Return to List



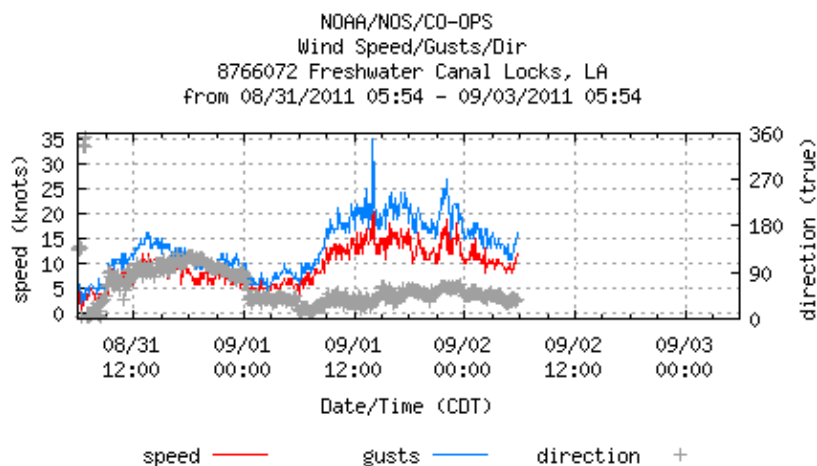
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/02/2011 05:42 (CDT)

Relative to MLLW: **Observed: 2.88 ft.** **Predicted: 1.72 ft.** **Residual: 1.16 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

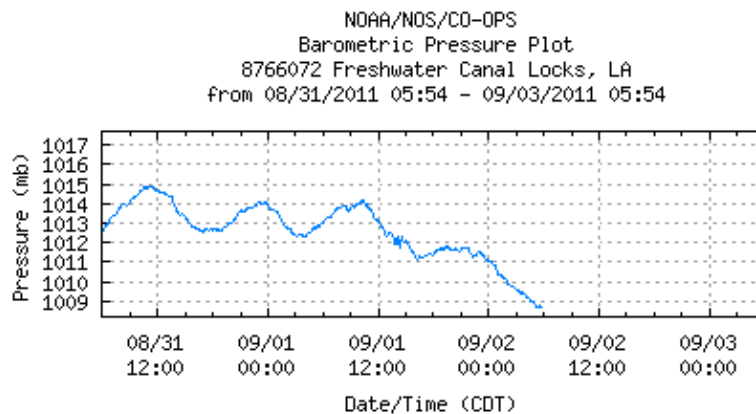
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/02/2011 05:42 (CDT)

Wind Speed: 12 knots Gusts: 16 knots Direction: 38° T

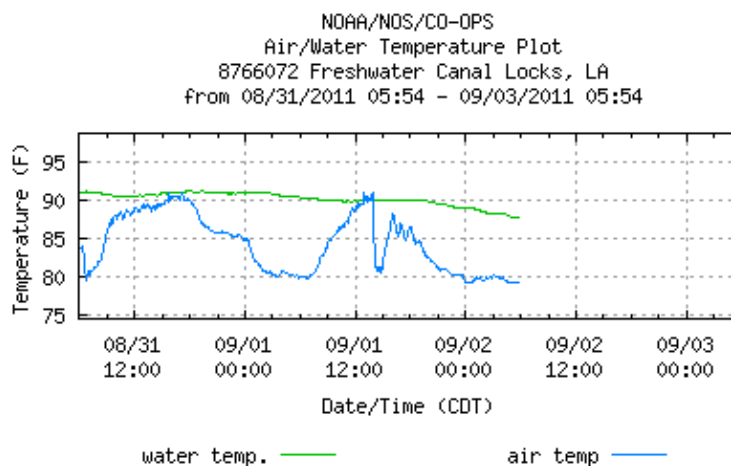
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/02/2011 05:42 (CDT)

Barometric Pressure: 1008.7 mb

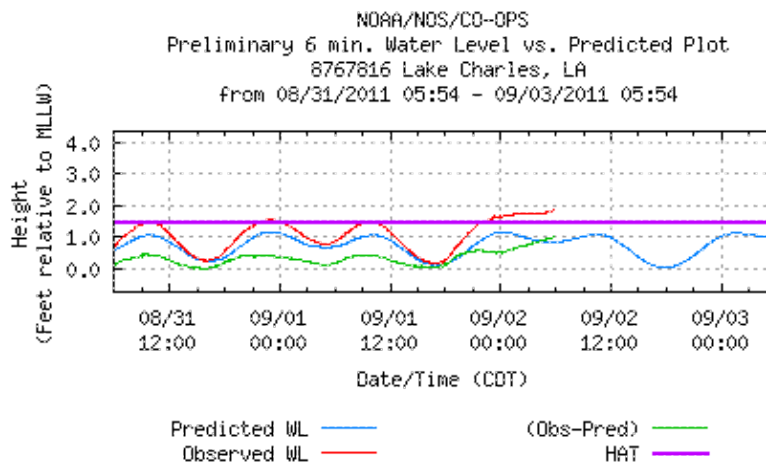
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/02/2011 05:42 (CDT)

Water Temperature: 87.8° F Air Temperature: 79.2° F

Lake Charles, LA - Return to List

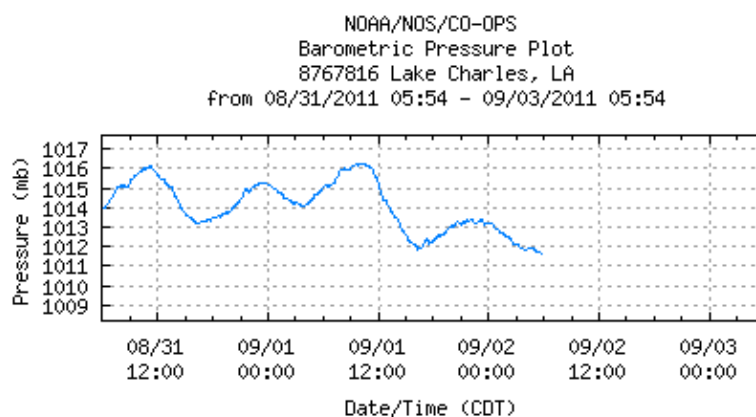


Last Observed Sample: 09/02/2011 05:48 (CDT)

Relative to MLLW: Observed: 1.85 ft. Predicted: 0.85 ft. Residual: 1.00 ft.

Historical Maximum Water Level: Oct 16 2006, 2.22 ft. above MHHW

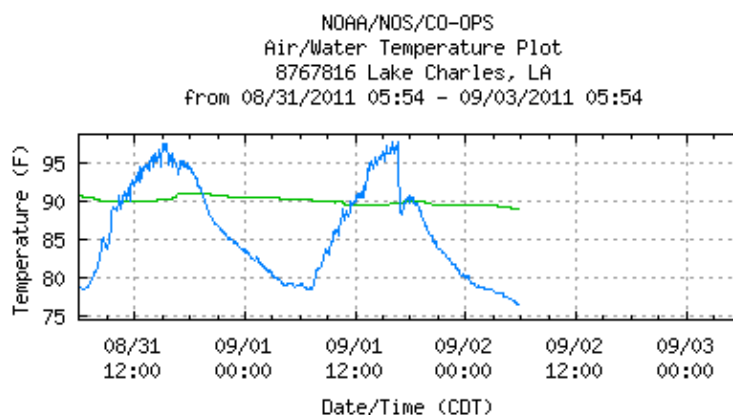
[Lake Charles, LA - Return to List](#)



Last Observed Sample: 09/02/2011 05:48 (CDT)

Barometric Pressure: 1011.6 mb

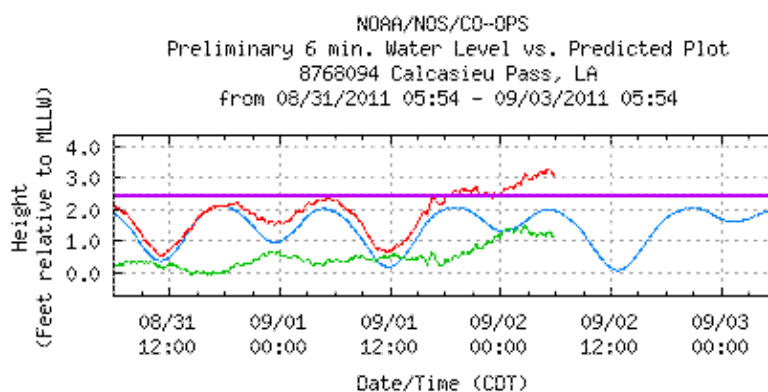
[Lake Charles, LA - Return to List](#)



Last Observed Sample: 09/02/2011 05:48 (CDT)

Water Temperature: n/a Air Temperature: 76.3° F

Calcasieu Pass, LA - Return to List



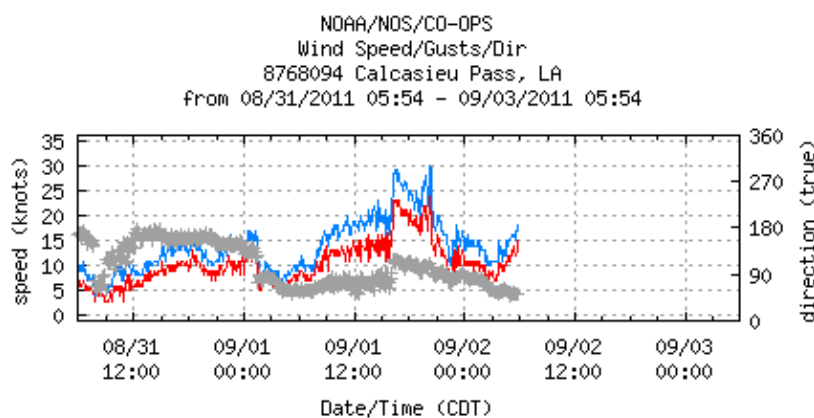
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/02/2011 05:48 (CDT)

Relative to MLLW: **Observed: 3.11 ft.** **Predicted: 1.97 ft.** **Residual: 1.14 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

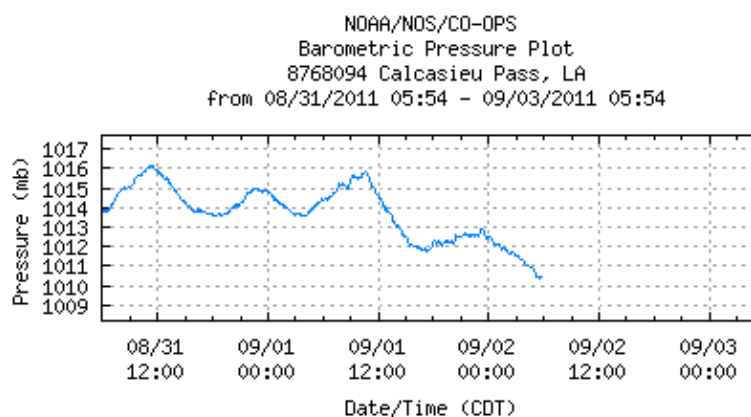


speed — gusts — direction +

Last Observed Sample: 09/02/2011 05:48 (CDT)

**Wind Speed: 15 knots** **Gusts: 18 knots** **Direction: 52° T**

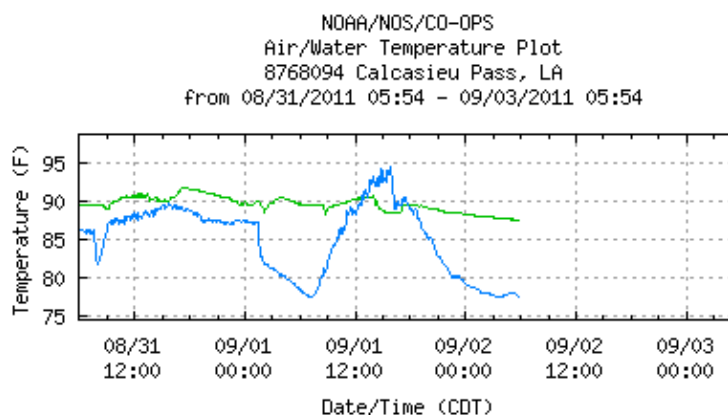
Calcasieu Pass, LA - Return to List



Last Observed Sample: 09/02/2011 05:48 (CDT)

Barometric Pressure: 1010.5 mb

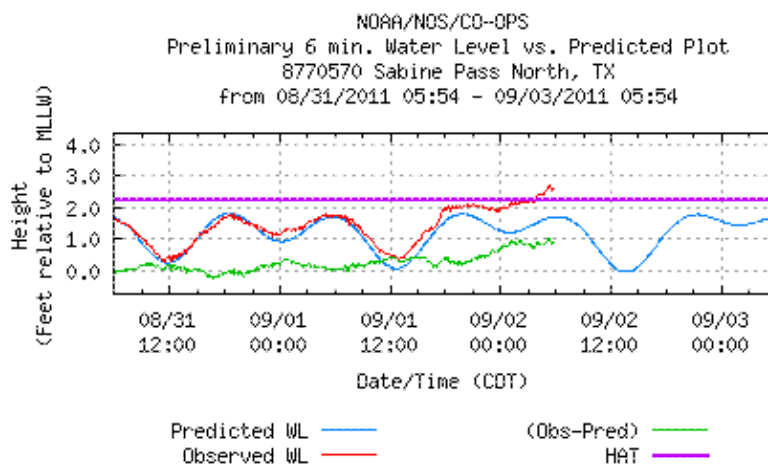
Calcasieu Pass, LA - Return to List



Last Observed Sample: 09/02/2011 05:48 (CDT)

Water Temperature: 87.6° F Air Temperature: 77.5° F

Sabine Pass North, TX - Return to List

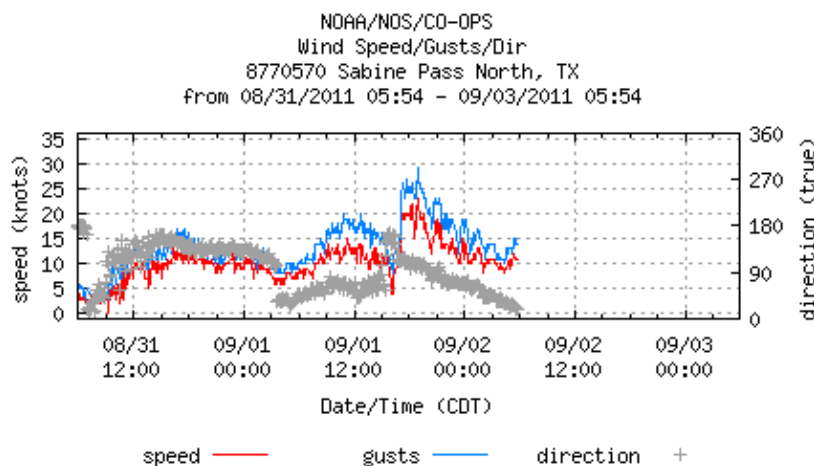


Last Observed Sample: 09/02/2011 05:42 (CDT)

Relative to MLLW: **Observed: 2.58 ft.** **Predicted: 1.70 ft.** **Residual: 0.88 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

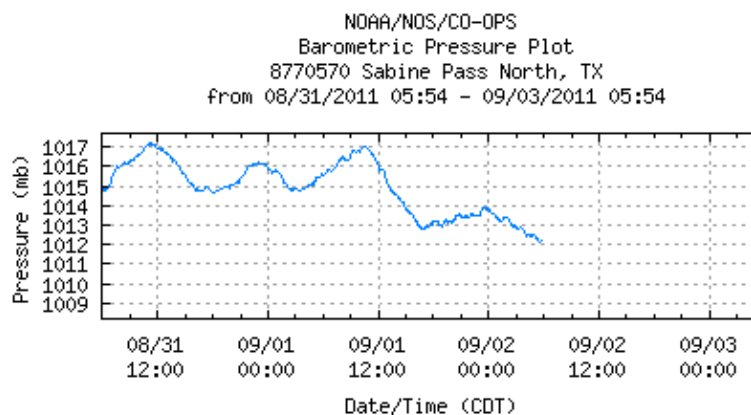
Sabine Pass North, TX - Return to List



Last Observed Sample: 09/02/2011 05:42 (CDT)

**Wind Speed: 11 knots** **Gusts: 14 knots** **Direction: 18° T**

[Sabine Pass North, TX](#) - [Return to List](#)

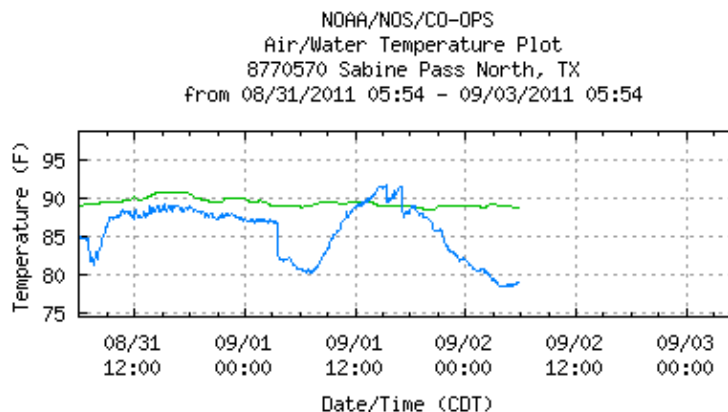


barometric pressure —

Last Observed Sample: 09/02/2011 05:42 (CDT)

Barometric Pressure: 1012.2 mb

[Sabine Pass North, TX](#) - [Return to List](#)



water temp. — air temp —

Last Observed Sample: 09/02/2011 05:42 (CDT)

Water Temperature: 88.7° F Air Temperature: 79.0° F

Tropical Depression THIRTEEN QuickLook, POSTED 05:30 CDT 09/02/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce